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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,807	09/06/2006	Etienne Chapelain	8952-000013/US/NP	4730
27573	7590	02/04/2009		
HARNESS, DICKEY & PIERCE, P.L.C.				
P.O. BOX 828				
BLOOMFIELD HILLS, MI 48303				
EXAMINER				
YABUT, DANIEL D				
ART UNIT		PAPER NUMBER		
3656				
MAIL DATE		DELIVERY MODE		
02/04/2009		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/591,807

Applicant(s)

CHAPELAIN ET AL.

Examiner

DANIEL YABUT

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Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 September 2006.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-7 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 06 September 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-8508)
Paper No(s)/Mail Date 9/6/2006
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claim 1** is rejected under 35 U.S.C. 102(b) as being anticipated European Patent, EP 1199243 A1.

EP 1199243 A1 discloses a steering wheel arrangement (Fig. 5) comprising a(n):

Re claim 1

- Fixed element (at 127) carrying a first annular bearing (at 141), the annular bearing supporting a steering wheel (at 109) for rotation relative to the fixed element
- Fixed element also carrying a second bearing (at 140), the second bearing rotatably supporting a component to be connected to part of the steering column of a vehicle (105)
- Bearings are both being retained to the fixed element by means of a first resilient retaining element (at 104), the first bearing being retained to the steering wheel by a second resilient retaining element (near 126).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claim 1** is rejected under 35 U.S.C. 103(a) as being unpatentable over Battermann et al., US Patent 6,264,235 in view of Konig, German Patent DE3940391 C.

Battermann et al. discloses a steering wheel arrangement (Fig. 1) comprising a(n):

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Re claim 1

- Fixed element (1, 2) carrying a first annular bearing (12), the annular bearing supporting a steering wheel (Fig. 2) for rotation relative to the fixed element
- Component (at C) to be connected to part of the steering column of a vehicle (C1 / L49-53)
- Bearing are being retained to the fixed element by means of a first resilient retaining element (11), the first bearing being retained to the steering wheel by a second resilient retaining element (E; Fig. Y below)

However, as to **claim 1**, Battermann et al. does **not** expressly disclose a second bearing supporting the component to be connected to part of the steering wheel column and being retained to the fixed element by means of the first resilient retaining element.

Konig teaches the use of a second bearing (20) supporting a component (at 9) to be connected to the component to be connected to part of the steering wheel column and being retained to a fixed element (16) by means of a first resilient retaining element (5) for the purpose of providing adequate rotational support to the component of the steering column (see abstract), thus promoting the reliability of the product.

Regarding **claim 1**, it would have been obvious to one having ordinary skill in the art to provide a second bearing supporting a component to be connected to part of the steering wheel column and being retained to a fixed element (at D) by means of the first resilient retaining element, as taught by Konig, in the device of Batterman et al. for the purpose of providing adequate rotational support to the component of the steering column, thus promoting the reliability of the product.

5. **Claims 2-5** are rejected under 35 U.S.C. 103(a) as being unpatentable over Battermann et al., US Patent 6,264,235 in view of Konig, German Patent DE3940391 C, as applied to claim 1 above, and in further view of French Patent FR 2384157 A.

Battermann et al. as modified above discloses all the claim limitations, see above, further including a(n):

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Re claim 2

- Fixed element (1, 2) having a housing part with an upper surface (A; Fig. Y below), the upper surface having at least two levels (at A, B; Fig. Y)
- Outer periphery of the upper surface defining a wall (at B; Fig. Y)
- First bearing being (12) mounted to that wall
- Upper surface defining an opening (at C) having a side wall (at D), the second bearing being mounted to that side wall
- First retaining element comprises a plate (11) which lies over the upper surface, the plate having a part which is in contact with part of the first bearing (near 12) and with part of the second bearing (near D).

However, as to claim 2, Battermann et al. does **not** expressly disclose the plate having a part which is resiliently biased into contact.

FR2384157A teaches the use of a plate (7, 12) having a part (7) which is resiliently biased into contact with a bearing (2) for the purpose of providing sufficient elasticity to take up relatively large machining tolerances (see abstract).

Regarding claim 2, it would have been obvious to one having ordinary skill in the art at the time of the invention to provide the plate having a part which is resiliently biased into contact.

Battermann et al. as modified above further discloses the following:

Re claim 3

- Plate having two arcuate sections (at 22 and F; Fig. Y) located to either side of an aperture (near C)
- Arcuate section being provided with retaining studs (near A; Fig. Y) to secure the plate to the fixed element
- Other arcuate section being resiliently connected (see above) to the first arcuate section and engaging both the first bearing (12) and the second bearing (at F; 20, König).

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Re claim 4

- First arcuate section engages both the first bearing and the second bearing (at F).

Re claim 5

- Arcuate sections are interconnected by two relatively narrow interconnecting bridges (G, H; Fig. Y).

6. **Claims 6 and 7** are rejected under 35 U.S.C. 103(a) as being unpatentable over Battermann et al., US Patent 6,264,235 in view of Konig, German Patent DE3940391 C, as applied to claims 1 and 2 above, and further in view of Bair et al., US Patent 5,044,785.

Battermann et al. as modified above discloses all the claim limitations, see above, further including a(n):

Re claim 6

- Second retaining element is of annular form (near E), the element engages the first bearing on which the steering wheel is mounted (at E), the second retaining element being secured to part of the steering wheel (at 3, 14)

However, as to **claim 6**, Battermann et al. as modified above does **not** expressly disclose the second retaining element carrying a plurality of radially inwardly directed resilient lugs.

Bair et al. teaches the use of a retaining element (130) carrying a plurality of radially inwardly directed resilient lugs (146) for the purpose of dampening vibration (C5 / L31-35), thus reducing undesirable noise or movement.

Regarding claim 6, it would have been obvious to one having ordinary skill in the art at the time of the invention to provide the second retaining element carrying a plurality of radially inwardly directed resilient lugs, as taught by Bair et al., in the device of Battermann et al. as modified above for the purpose of dampening vibration (C5 / L31-35), thus reducing undesirable noise or movement.

Battermann et al. as modified above further discloses the following:

Re claim 7

- Second retaining element is provided with a plurality of fixing studs (14) the fixing studs passing through corresponding apertures (at 3, 14) formed in part of the steering wheel.

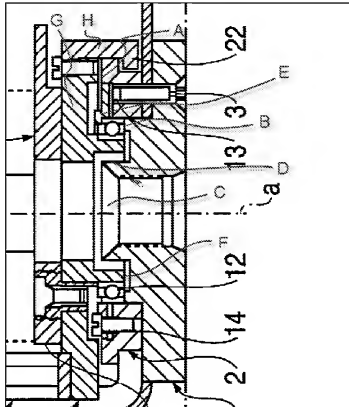


Figure Y: View of steering wheel arrangement of Battermann et al.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL YABUT whose telephone number is (571)270-5526. The examiner can normally be reached on Monday through Friday from 9:00 A.M. to 5:00 P.M. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard W. Ridley can be reached on (571) 272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DANIEL YABUT/
Examiner, Art Unit 3656
1/26/2009

/Richard WL Ridley/
Supervisory Patent Examiner, Art Unit 3656